SRS-A11

SERVICE MANUAL

AEP Model
E Model
Tourist Model

SPECIFICATIONS

Amplifier section

Power output
1 W + 1 W

Input cord
Left: Stereo mini plug (1.0 m)
Right: monaural mini plug (1.0 m)

Input impedance
4.7 kilohms (at 1kHz)

Speaker section

System
Full-range, bass reflex type

Speaker unit
Full-range (magnetically shielded):
ø 57 mm (2 1/4 in.)

Nominal impedance
6 ohms (OFF/DIRECT)

Rated input power
1 W (OFF/DIRECT)

General

Power requirement
DC 6 V, four R6 (size AA) batteries (left speaker only)

Battery life (at 5 mW + 5 mW output)
Approx. 17 hours with Sony batteries R6,
Approx. 35 hours with Sony alkaline batteries LR6

Dimensions
Approx. 84 × 131 × 86.3 mm (3 3/8 × 5 1/4 × 3 1/2 in.) (w/h/d)

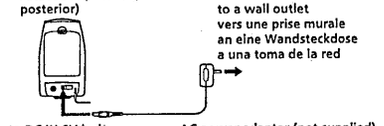
Mass
Left speaker: Approx. 300 g (11 oz.), not incl. batteries
Approx. 370 g (13 oz.) incl. batteries
Right speaker: Approx. 230 g (8 oz.)

Design and specifications are subject to change without notice.

ACTIVE SPEAKER SYSTEM

SONY®

A


Left speaker (rear)
Haut-parleur gauche (arrière)
Linker Lautsprecher (Rückseite)
Altavoz izquierdo (parte posterior)
to a wall outlet
vers une prise murale
an eine Wandsteckdose
a una toma de la red
to DC IN 6V jack
vers la prise DC IN 6V
an DC IN 6V-Buchse
a la toma DC IN 6V
AC power adaptor (not supplied)
Adaptateur secteur (non fourni)
Netzadapter (nicht mitgeliefert)
Adaptador de alimentación de CA (no suministrado)

Note on the AC power adaptor
Use only the AC-E60HG AC power adaptor (not supplied). Do not use any other AC power adaptor.

Remarque sur l'adaptateur secteur
Utiliser uniquement l'adaptateur secteur AC-E60HG (non fourni), à l'exclusion de tout autre.

Hinweis zum Netzadapter
Verwenden Sie nur den Netzadapter AC-E60HG (nicht mitgeliefert). Ein anderer Netzadapter darf nicht verwendet werden.

Nota sobre el adaptador de alimentación de CA
Utilice solamente un adaptador de alimentación de CA AC-E60HG (no suministrado). No utilice ningún otro tipo de adaptador de alimentación de CA.

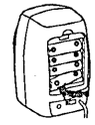
Polarity of the plug
Polarité de la fiche
Steckerpolarität
Polaridad de la clavija

B

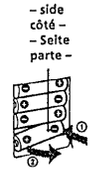
1

Left speaker (Rear)
Haut-parleur gauche (arrière)
Linker Lautsprecher (Rückseite)
Altavoz izquierdo (parte posterior)

2



Four R6 (size AA) batteries (left speaker only)
Quatre piles R6 (format AA) (haut-parleur gauche uniquement)
Vier Mignonzellen (R6) (nur linker Lautsprecher)
Cuatro pilas R6 (tamaño AA) (Altavoz izquierdo)



Note
Remove the batteries as illustrated.

Remarque
Enlever les piles comme indiqué sur l'illustration.

Hinweis
Nehmen Sie die Batterien wie in der Abbildung gezeigt heraus.

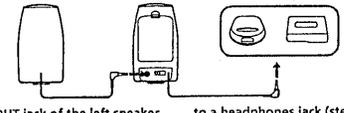
Nota
Extraiga las pilas como se muestra en la ilustración.

C

Right speaker (rear)
Haut-parleur droit (arrière)
Rechter Lautsprecher (Rückseite)
Altavoz derecho (parte posterior)

Left speaker (rear)
Haut-parleur gauche (arrière)
Linker Lautsprecher (Rückseite)
Altavoz izquierdo (parte posterior)

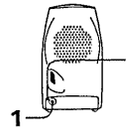
Discman, WALKMAN, etc.
Discman, WALKMAN, etc.
Discman, WALKMAN usw.
Discman, WALKMAN, etc.



to R OUT jack of the left speaker
vers la prise de sortie R OUT du haut-parleur gauche
an R OUT-Buchse des linken Lautsprechers
a la toma R OUT del altavoz izquierdo

to a headphones jack (stereo mini jack)
vers une prise de casque (mini jack stéréo)
an Kopfhörerbuchse (Stereo-Minibuchse)
a la toma para auriculares (minitoma estéreo)

D



Left speaker (front)
Haut-parleur gauche (avant)
Linker Lautsprecher (vorderseite)
Altavoz izquierdo (parte frontal)

Before operating the unit, please read this manual thoroughly and retain it for future reference.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Features

The Sony SRS-A11 is a compact-size speaker system with a built-in power amplifier. This system can be connected to a Discman, WALKMAN* headphone stereo, etc.

- Power output of 1 W + 1 W
- The magnetically shielded speakers should have little effect on a TV screen or recorded tapes, etc. when placed close to them.

* WALKMAN is a registered trademark of Sony Corporation.

Precautions

- Operate the system only on 6 V DC. For AC operation, use only the AC-E60HG AC power adaptor (not supplied). Do not use any other AC power adaptor.
- After operating the system with the AC power adaptor, disconnect the AC power adaptor from the wall outlet if the system is not to be used for an extended period of time. The POWER switch on the left speaker does not turn the AC power adaptor off.
- If the system is not to be used for a long period of time or is to be operated extensively on AC power, remove the batteries to avoid damage caused by battery leakage and corrosion.
- Do not open the cabinet. Refer servicing to qualified personnel only.
- Do not leave the system in a location near heat sources, or in a place subject to direct sunlight, excessive dust, moisture, rain or mechanical shock.
- Should any solid object or liquid fall into the system, remove the batteries and have the system checked by qualified personnel before operating it any further.
- Do not use alcohol, benzine, or thinner to clean the cabinet.
- Although this system is magnetically shielded, do not leave recorded tapes, watches, personal credit cards or floppy disks using magnetic coding in front of the system for an extended period of time.

If the TV picture or monitor display is magnetically distorted
Although this system is magnetically shielded, there may be cases that the picture on some TV sets/personal computer sets may become magnetically distorted. In such a case, turn off the power of the TV set/personal computer set once, and after 15 to 30 minutes turn it on again. For the personal computer set, take the appropriate measures such as data storage before turning it off.
When there seems to be no improvement, locate the system further away from the TV set/personal computer set. Furthermore, be sure not to place objects in which magnets are attached or used near the TV set/personal computer set, such as audio racks, TV stands, toys etc. These may cause magnetic distortion to the picture due to their interaction with the system.

If you have any questions or problems concerning your system that are not covered in this manual, please consult your nearest Sony dealer.

Power Sources (See fig. A)

Using on house current

When the AC power adaptor is connected to the system, internal batteries are automatically disconnected.

Battery installation (See fig. B)

Battery Replacement

When the batteries are weak, the POWER indicator will start flickering and become faint, or the playback sound will be distorted or unstable. In such a case, replace all the batteries with new ones. For battery life, see "Specifications".

Connections (See fig. C)

Connect the left speaker to the source equipment.

When the system is connected to a monaural jack of a radio, etc., the sound may only come through the left speaker. In such a case, use the optional Sony plug adaptor PC-236MS. The sound will come through both speakers.

To connect to a stereo phone-type headphones jack
Use the optional PC-234S plug adaptor or RK-G138 connecting cord.

How to Use (See fig. D)

Listening to the sound through the built-in amplifier

1 Press the POWER switch (⏏ ON).
The POWER indicator lights up.

2 Adjust the volume with the connected equipent.

Turn off the MEGA BASS (Walkman) or BASS BOOST (Discman,etc.) function as it may cause sound distortion.

After listening, press the POWER switch (⏏ OFF/DIRECT).
The POWER indicator goes off.

Listening to the sound without the built-in amplifier

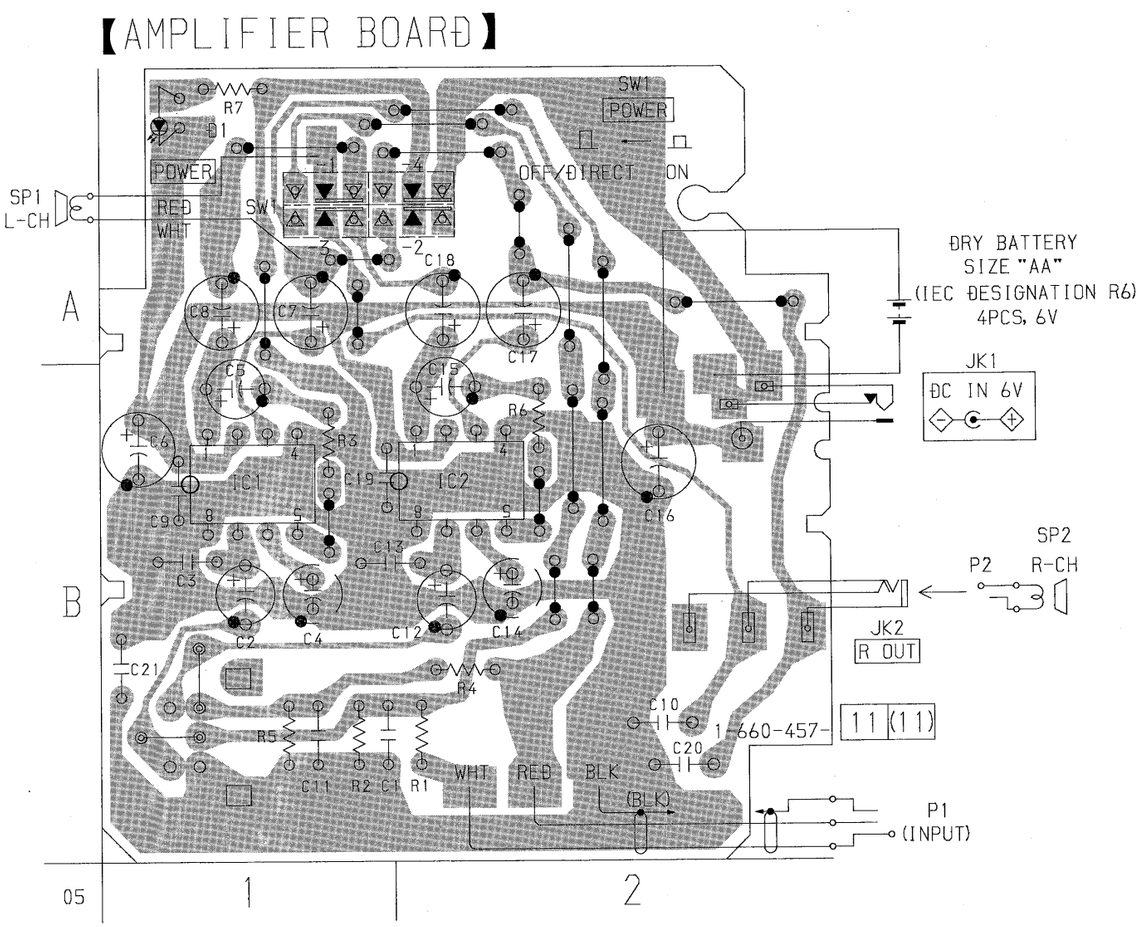
Set the POWER switch (⏏ OFF/DIRECT). Adjust the volume with the connected equipment.

This section is extracted from instruction manual.

SECTION 1
GENERAL

SECTION 2
DIAGRAMS

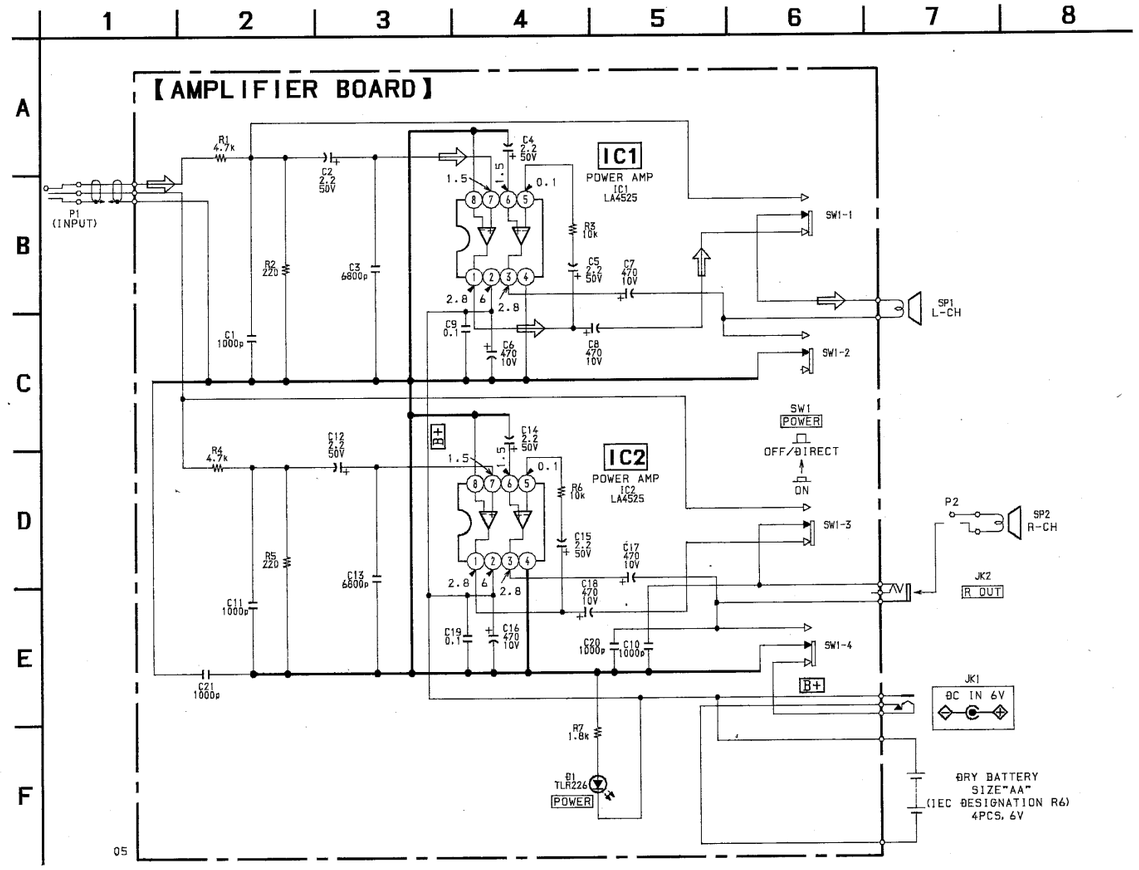
2-1. PRINTED WIRING BOARD



Note:

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.

2-2. SCHEMATIC DIAGRAM



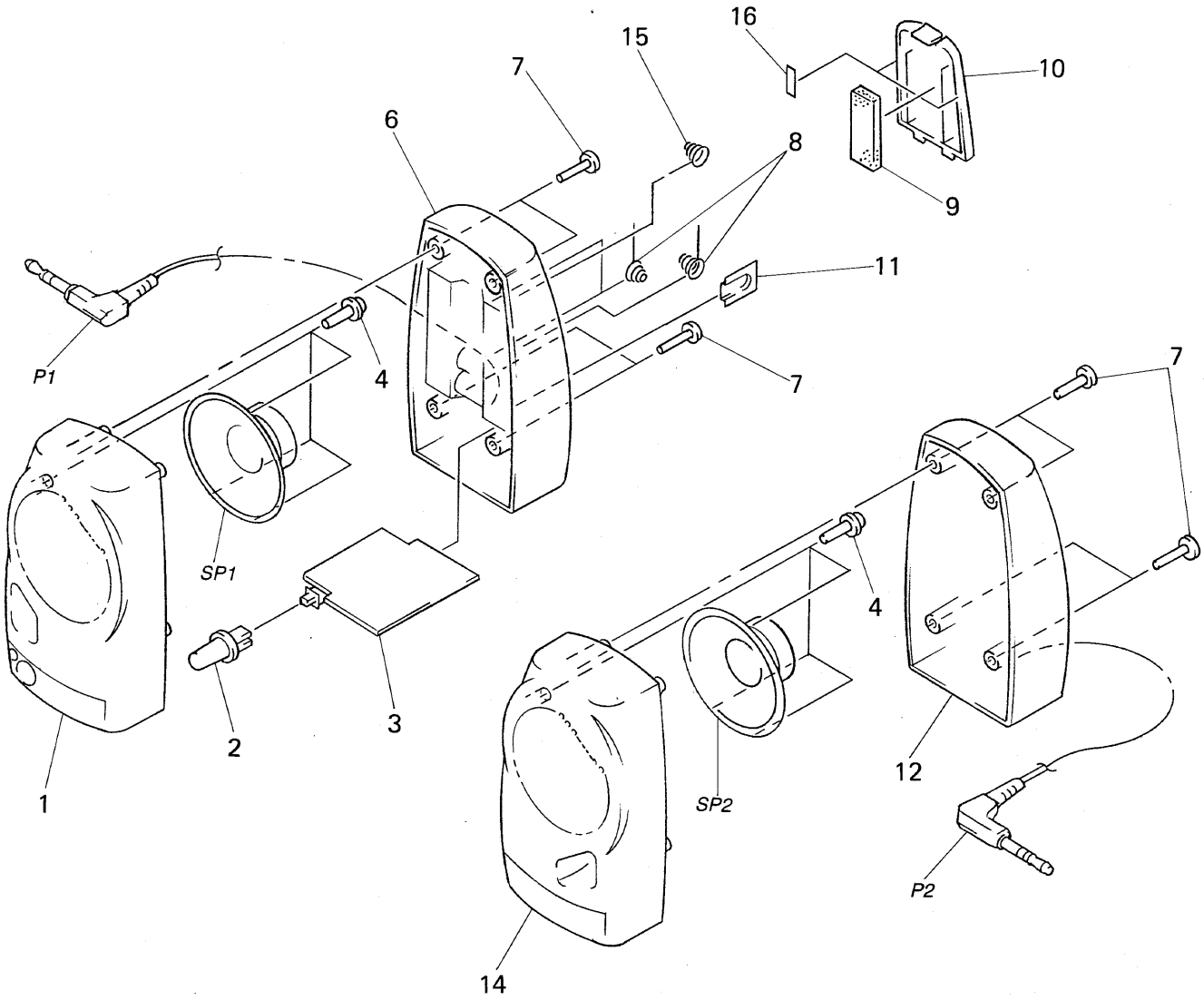
Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- B+ : B+ Line.
- ▭ : panel designation.
- Power voltage is dc 6 V and fed with regulated dc power supply from external power voltage jack.
- Voltages are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (10 MΩ/V). Voltage variations may be noted due to normal production tolerances.
- Signal path. ⇨

SECTION 3
EXPLODED VIEW

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearrance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories and packing materials are given in the last of the electrcal parts list.



Ref. No.	Part No.	Description	Remark
1	4-980-941-01	CABINET (L), FRONT	
2	4-980-946-01	BUTTON (POWER)	
* 3	1-660-457-11	AMPLIFIER BOARD	
4	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
6	4-980-943-01	CABINET (L), REAR	
7	7-685-135-19	SCREW +P (2.6X10) TYPE2 SLIT	
8	3-895-784-01	SPRING	
9	4-308-878-XX	CUSHION	
10	4-980-945-01	LID, BATTERY CASE	
11	4-941-496-01	TERMINAL, BATTERY	
12	4-980-944-01	CABINET (R), REAR	
14	4-980-942-01	CABINET (R), FRONT	
15	4-967-264-01	SPRING (MINUS), BATTERY COIL	
16	3-831-441-11	CUSHION, SPEAKER GRILLE	
P1	1-559-892-11	CORD (WITH PLUG) (L) (INPUT)	
P2	1-696-003-21	CORD (WITH PLUG) (R)	
SP1	1-505-281-11	SPEAKER (L CH)	
SP2	1-505-281-11	SPEAKER (R CH)	

SECTION 4
ELECTRICAL PARTS LIST

AMPLIFIER

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	1-660-457-11	AMPLIFIER BOARD			
		**********			
		< CAPACITOR >			
C1	1-162-294-31	CERAMIC	0.001uF	10%	50V
C2	1-124-925-11	ELECT	2.2uF	20%	100V
C3	1-162-305-11	CERAMIC	0.0068uF	30%	16V
C4	1-124-925-11	ELECT	2.2uF	20%	100V
C5	1-124-925-11	ELECT	2.2uF	20%	100V
C6	1-126-925-11	ELECT	470uF	20%	10V
C7	1-126-925-11	ELECT	470uF	20%	10V
C8	1-126-925-11	ELECT	470uF	20%	10V
C9	1-162-562-11	CERAMIC	0.22uF		16V
C10	1-162-294-31	CERAMIC	0.001uF	10%	50V
C11	1-162-294-31	CERAMIC	0.001uF	10%	50V
C12	1-124-925-11	ELECT	2.2uF	20%	100V
C13	1-162-305-11	CERAMIC	0.0068uF	30%	16V
C14	1-124-925-11	ELECT	2.2uF	20%	100V
C15	1-124-925-11	ELECT	2.2uF	20%	100V
C16	1-126-925-11	ELECT	470uF	20%	10V
C17	1-126-925-11	ELECT	470uF	20%	10V
C18	1-126-925-11	ELECT	470uF	20%	10V
C19	1-162-562-11	CERAMIC	0.22uF		16V
C20	1-162-294-31	CERAMIC	0.001uF	10%	50V
C21	1-162-294-31	CERAMIC	0.001uF	10%	50V
		< DIODE >			
D1	8-719-812-26	DIODE TLR226 (POWER)			
		< IC >			
IC1	8-759-366-92	IC LA4525			
IC2	8-759-366-92	IC LA4525			
		< JACK >			
JK1	1-568-907-21	JACK, DC (POLARITY UNIFIED TYPE) (DC IN 6V)			
JK2	1-507-777-11	JACK, SMALL TYPE (R OUT)			
		< RESISTOR >			
R1	1-249-425-11	CARBON	4.7K	5%	1/4W
R2	1-247-815-00	CARBON	220	5%	1/4W
R3	1-249-429-11	CARBON	10K	5%	1/4W
R4	1-249-425-11	CARBON	4.7K	5%	1/4W
R5	1-247-815-00	CARBON	220	5%	1/4W
R6	1-249-429-11	CARBON	10K	5%	1/4W
R7	1-249-420-11	CARBON	1.8K	5%	1/4W
		< SWITCH >			
SW1	1-692-040-11	SWITCH, PUSH (1 KEY) (POWER)			
		**********			
		MISCELLANEOUS			
		**********			
P1	1-559-892-11	CORD (WITH PLUG) (L) (INPUT)			
P2	1-696-003-21	CORD (WITH PLUG) (R)			
SP1	1-505-281-11	SPEAKER (L CH)			
SP2	1-505-281-11	SPEAKER (R CH)			
		**********			
		ACCESSORIES & PACKING MATERIALS			
		**********			
	3-856-234-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, DUTCH, SWEDISH, ITALIAN, PORTUGUESE)			

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